

Sample Rep. No: RDKL/FW/2324/SR00041 & SR00042

Date of Allocation: - 05/12/2023

Due Date: - 20/12/2023

Test start Date: - 06/12/2023

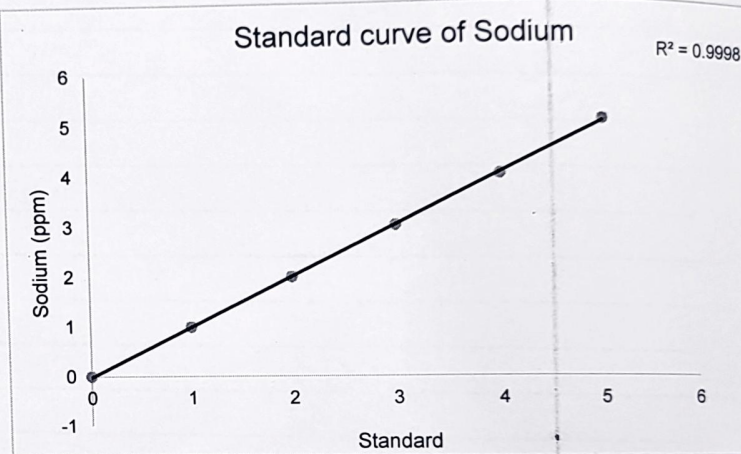
Test End Date: - 06/12/2023

Parameter: - Sodium (Na⁺)

No. of samples: - 01 & 02 = 3

Name of supervisor: - Md. A. Rafique.

Sodium (ppm)	Concentration (ppm)
0	0
1	0.99
2	1.98
3	2.99
4	3.97
5	5.05
Correlation:	0.99987



S.No.	Sample code	Standard	Na ⁺	Result (mg/L)
1.	2324/RDKL/FW/FW/L00056	Direct	out of calibration	
	" "	10D	2.59	
	" "	10D	2.60	
	" "	10D	2.57	
	" "	10D	2.60	
	" "	10D	2.58	
	Average		2.58	25.8 ✓

2.	2324/RDKL/FW/FW/L00042	Direct	out of calibration	
	" "	5D	3.99	19.95
3.	2324/RDKL/FW/FW/L00043	Direct	out of calibration	
	" "	10D	3.90	39

✓ King

GC-A-Na⁺
 given value: 20 mg/L
 Recovery: 19.95 mg/L
 deviation: 0.25%

GC-B-Na⁺
 given value: 40 mg/L
 Recovery: 39 mg/L
 deviation: 2.5%

% deviation ac within the acceptable criteria

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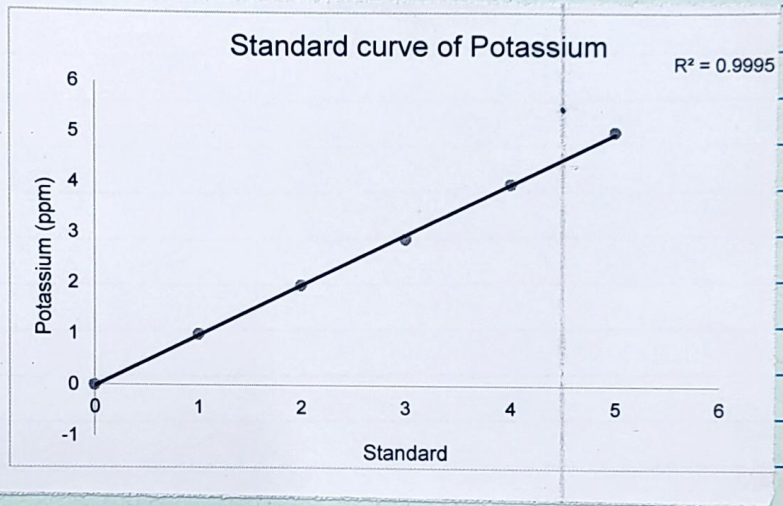
Test End Date :- 06/12/2023

Parameter :- Potassium (K⁺)

No. of samples:- 01 & 02

Name of the Supervisor :- Md. A. Re figure

Potassium (ppm)	Concentration (ppm)
0	0
1	1
2	1.97
3	2.89
4	3.97
5	5.01
Correlation	0.99956



S.No	Sample code	standard	K ⁺	Result (mg/L)
1.	2324/RDKL/FW/FW/L00056	Direct	out of calibration	
	"	2D	3.10	
	"	2D	3.09	
	"	2D	3.12	
	"	2D	3.09	
	"	2D	3.1	
	"	Average	3.1	6.2 mg/L
2.	2324/RDKL/FW/FW/L00042	Direct	2.98	2.98
3.	2324/RDKL/FW/FW/L00043	Direct	out of calibration	
	"	SD	2.99	14.95

K^+ GC-A value: 3.38 mg/L
 Recovery: 2.98 mg/L
 deviation: 0.66%

GC-B value: 15.95 mg/L
 Recovery: 14.95 mg/L
 deviation: 0.33%

All data points are within the acceptable criteria - 14.95